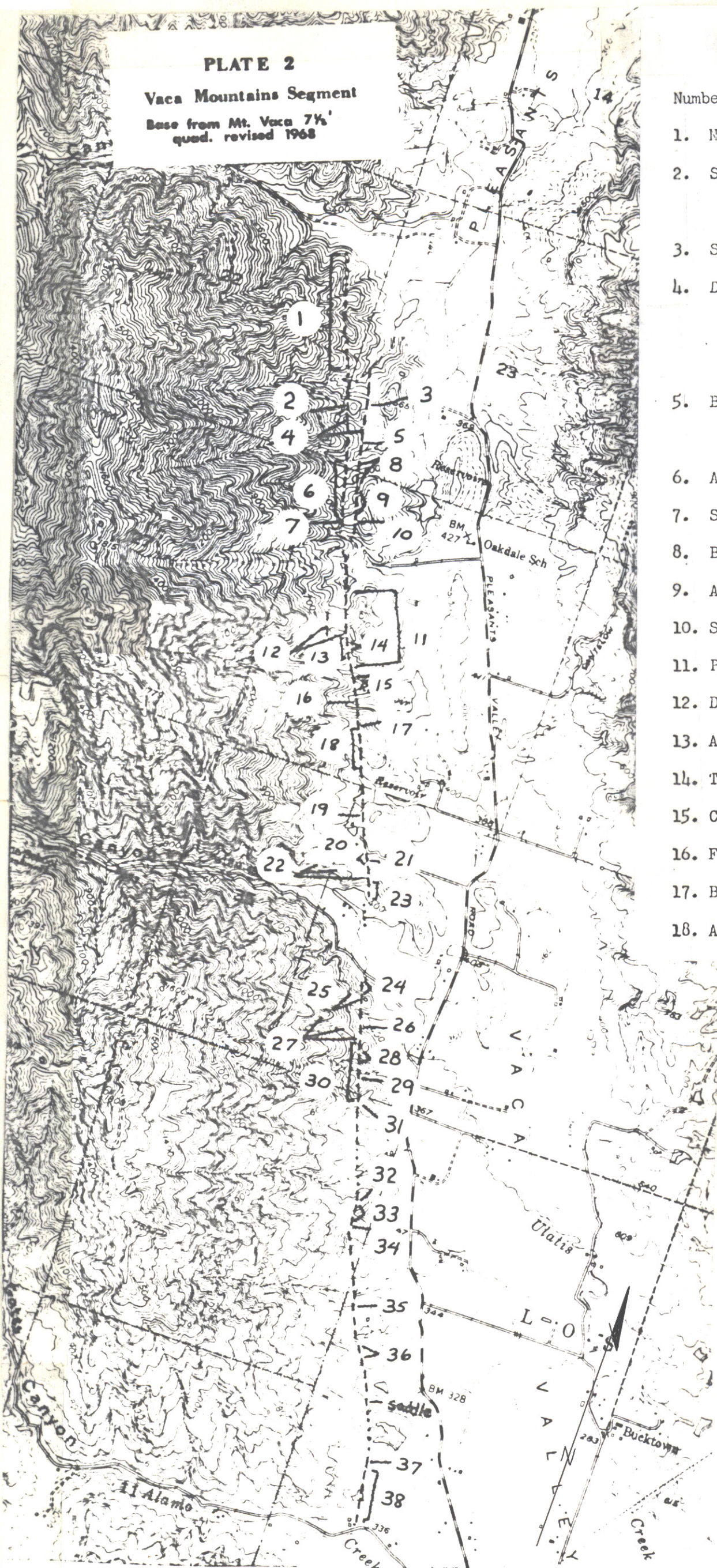
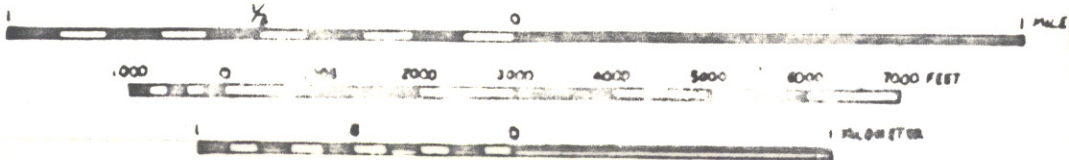


PLATE 2

Vaca Mountains Segment

Base from Mt. Vaca 7 1/2'
quad. revised 1968

SCALE 1:24000



MAP EXPLANATION

Fault or lineament of Knuepfer (1977) - Solid line indicates well-defined photogeologic lineament or well-defined surficial evidence of faulting; dashed line poorly-defined photogeologic lineament or ambiguous surficial evidence of faulting; (nature of lineament uncertain); dotted line is inferred extension of fault where concealed by recent sediments.

~~Sarp~~ 22. Saddle

Annotations by Knuepfer (1977)

saddle

Annotations by Bryant (this report). Underline in green, rather than box, indicates response or modification to observations of Knuepfer (1977).

Attitude of bedding from Sims, et al (1973).

Numbers as on Plate 2.

1. No consistent features ✓
2. Saddle on ridge. Drainage is clearly aligned on south side of ridge but only approximately aligned on north side.
3. Saddle ✓
4. Deflected drainage. Secondary east-flowing drainage channel is - due to bedding deflected southeast, thence turns back to original eastward direction. Total deflection 30 m over distance of 75 m.
5. Beheaded drainage. Shallow drainage channel is beheaded at buried telephone cable. ? can't see - perhaps man-made
6. Aligned drainage or swale. - bedding
7. Saddle or notch. ✓
8. Broad double bench. ✓
9. Aligned swale. ✓ bedding?
10. Saddle. ✓
11. Poorly defined tree alignment. ?
12. Double saddle (two parallel saddles).
13. Alignment of drainage. - strongly influenced by bedding
14. Tree alignment. ?
15. Channel deflected by fallen tree.
16. Flattening of drainage channel. - by Qls?
17. Broad saddle. ✓
18. Aligned swale. ? probably just deflected drainage caused by resistant ridge
19. Broad saddle. ✓
20. Bench, 2 to 3 m wide. - probably extension of resistant bed
21. Drainage is incised 1 to 2 m, extending headward to bench; above bench drainage is confined to broad swale. - drainage deflected by resistant bed
22. Saddle. ✓
23. Poorly aligned drainage. ✓
24. Aligned tree line and swale. - sharp tonal lineament just north of #24
25. Double saddle. ✓
26. Multiple saddle sequence rising to 1000 ft elevation. ✓
27. Bench. ✓
28. Linear gully, 100 m long. ✓
29. Flattening of drainage channel. ✓
30. Vegetation contrast and alignment visible on 1937 photographs, but not now apparent in field.
31. Saddle. ✓
32. Saddle. ✓
33. Tree alignment. ? not parallel to mapped fault - probably bedding
34. Saddle 5 m east of projection of tree alignment.
35. Saddle. ✓
36. Saddle. ✓
37. Saddle. ✓
38. Aligned drainage channel. ✓ developed because of resistant ridge striking parallel to inferred fault